

# PATENT ABSTRACTS OF JAPAN

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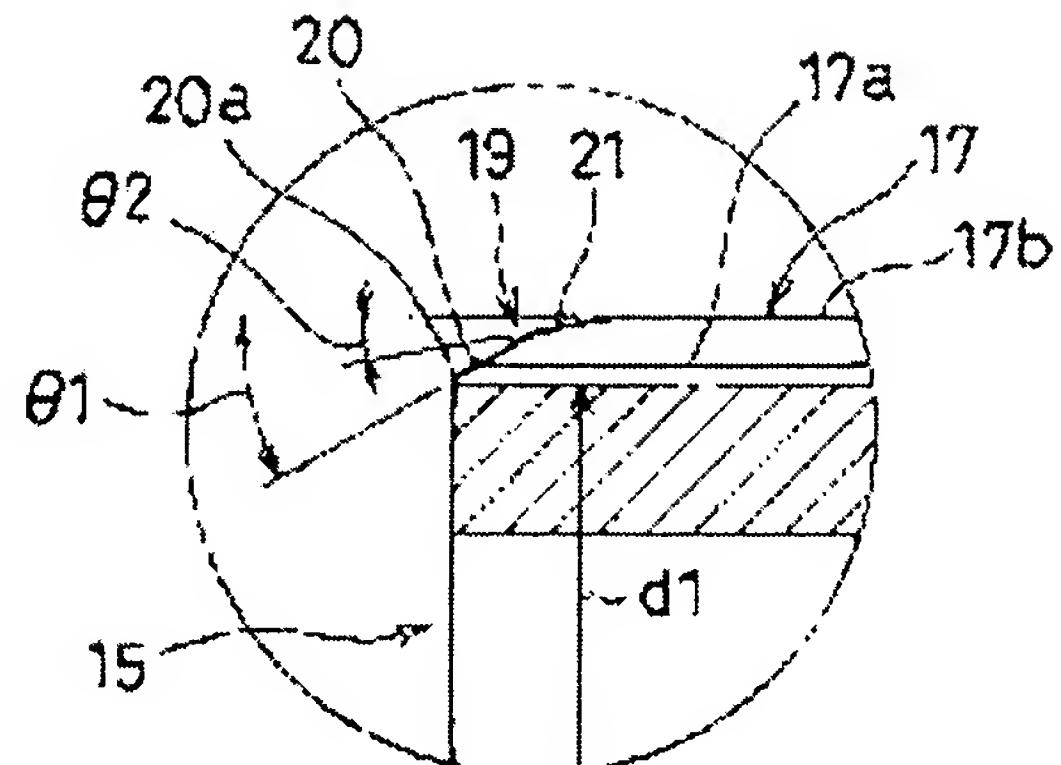
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## (54) JOINT MEMBER FOR POWER TRANSMISSION DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To solve the problem of a conventional joint member that a gouged phenomenon caused by the top of a serration projection may be generated on the inner peripheral surface of an inner peripheral layer.

**SOLUTION:** This joint member for a power transmission device comprises a cylindrical shaft element made of a fiber reinforced resinous material, and a joint member having a fitting portion pressed and fitted to one end of the cylindrical shaft element from a tip end side at one end side. A serration 17 engaged with the inner peripheral surface of the cylindrical shaft element is formed on the outer peripheral surface of the fitting portion 15 in an axial direction. A guide surface 19 formed at the tip end of the fitting portion so as to continue to the serration comprises a guide 20 having an outer diameter smaller than one end inner diameter of the cylindrical shaft element in the tip end side, and a cutting portion 21 continuously formed to the serration between the guide and the fitting portion outer peripheral surface. A taper angle  $\theta 2$  is set to be smaller than the taper angle  $\theta 1$  of the guide.



**LEGAL STATUS**

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